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WEISSHAAR, TERRENCE A. (see HERTZ, TERRENCE J.)
WHITING, FRANK
1982 Highlights in Computer Systems, Dec, p. 62.
WILSON, GEORGE C.
Reagan's Space Policy Colored USAF Blue, Sep, p. 15.
WILLIAMSON, RAY
OTA Eyes Space Applications, Science, International Competition, Oct, p. 18.
WRIGHT JR., DAVIS B. (see BARRINGER, SHERIDAN R.)
YARYMOVYCH, MICHAEL I.
Editorial: Revitalization for a Fast Track, June, p. 21.
Editorial: Key Issues for AIAA, Jul/Aug, p. 27.
Editorial: Seize the Shuttle Opportunity! Sep, p. 35.
Editorial: On Preventing Nuclear War, Oct, p. 27.
Editorial: Cooperation and Competition, Nov, p. 21.
ZAFRAN, SIDNEY
1982 Highlights in Electric Propulsion, Dec, p. 71.